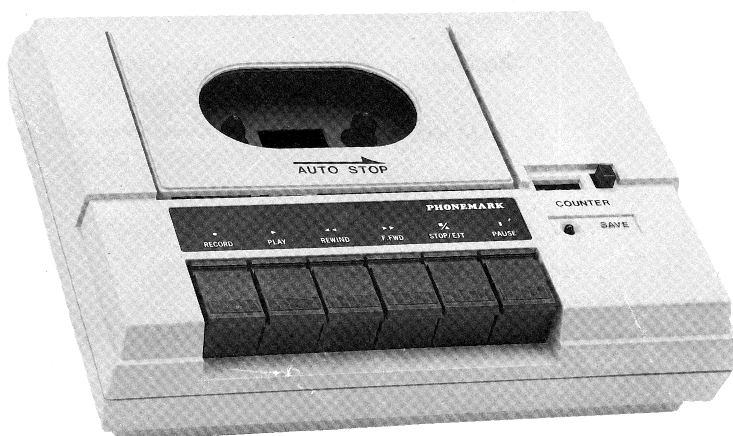


COMPUTER CASSETTE UNIT

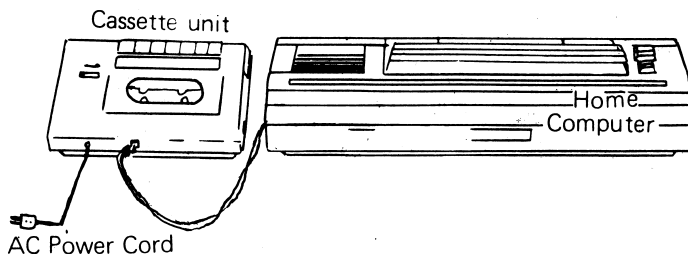
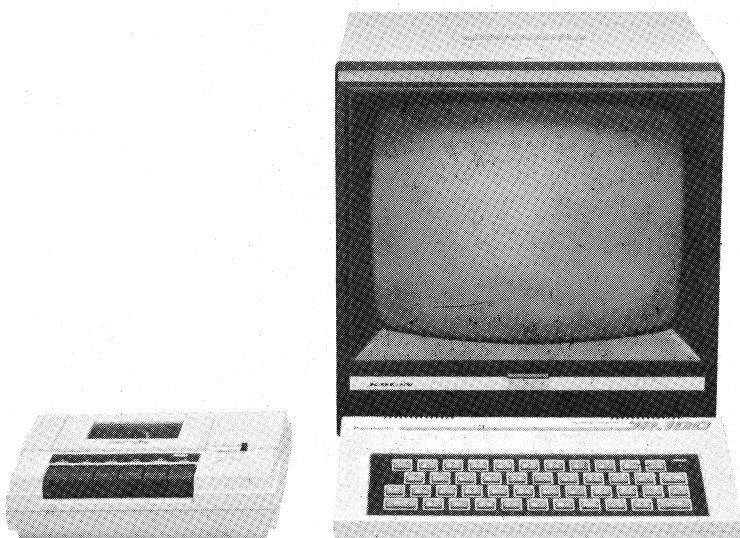
OPERATING INSTRUCTIONS



MODEL NO.: PM-4401A

OPERATING INSTRUCTIONS FOR YOUR CASSETTE DATA UNIT

This cassette unit is a device for storing and/or recalling computer programs on ordinary cassette tapes. It can be used for saving programs you have written and want to recall for later use. It can also be used to read pre-recorded programs that you have purchased.



Connection Drawing

CASSETTE OPERATING INSTRUCTIONS

FOR YOUR COMPUTER

IMPORTANT

This unit is designed to operate from AC 240V ~ 50Hz household mains supply.

MAINS SUPPLY

When using mains supply, the wires in the mains lead must be connected to the terminals of a suitable plug as follows:

Wire	Plug Terminal Marking
Blue	N or Black
Brown	L or Red

If the colours of the wires in the mains lead of this apparatus do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

WARNING

The unit should be protected by a 3 amp fuse, preferably using a fused plug. To prevent fire or shock hazard, do not expose this appliance to rain or moisture. Always remove mains plug from wall socket when not in use, or before any service operation. No user serviceable parts inside. Refer servicing to qualified service personnel. Never remove covers unless qualified to do so; this unit contains dangerous voltages.

TURN OFF THE COMPUTER BEFORE CONNECTING THE CASSETTE UNIT TO IT.

Plug the attached cord in to a connector at the Right Side of the Atari computer. The plug will only fit on the specific connector one way. Please **DO NOT FORCE IT TO PREVENT DAMAGE.**

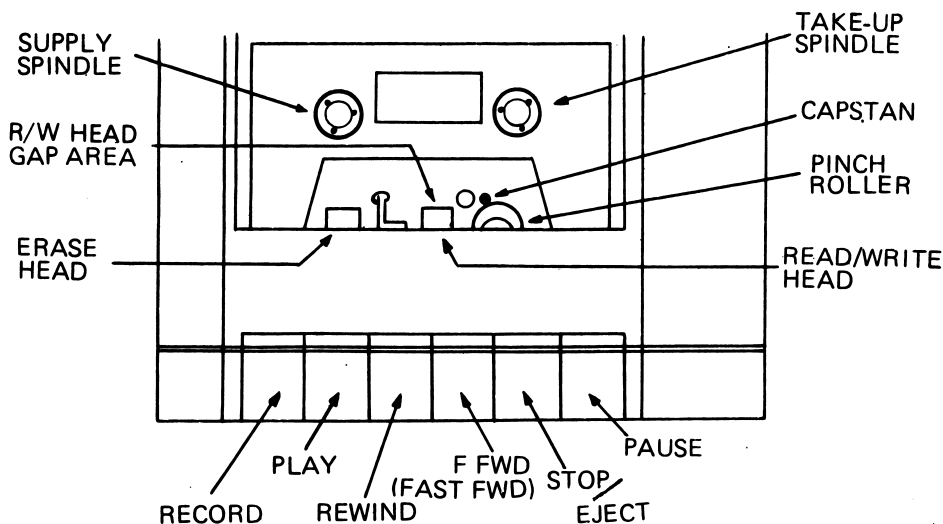
It is important to keep the cassette unit at least 2 feet away from the TV as radio emissions from the TV can interfere with the correct operation of the cassette unit.

PRELIMINARY CHECKOUT

Before using your cassette drive unit to recall or store programs, you should complete the preliminary checks – which are described below:

1. Turn off the computer and connect the cassette unit. phonoplug to rear of the Computer phono Jack. (See Connection Drawing)
2. Ensure that the cassette deck motor is off by checking that all of the function keys are up. If any are not, press the STOP button.
3. Connect power cord to utility outlet supply power with 240VAC, 50HZ (as indicate in the NAME PLATE).

Fig. 1



4. Press the PLAY button on the cassette unit. Look to see that, as the button is engaged, the READ/WRITE heads move towards the spindles and the capstan comes into contact with the pinch roller (see Fig. 1). The take-up spindle should be moving smoothly in an anti-clockwise direction.
5. Now press the STOP button. The heads should move back and the spindle stop.
6. Press the REWIND button. The tape heads should remain in the inactive position and the supply spindle should move rapidly clockwise.
7. Press STOP again and then F. FWD. The tape heads should still remain in the inactive position and the take-up spindle should move rapidly anti-clockwise.
8. Press STOP once more and then GENTLY attempt to press REC. You should feel strong mechanical resistance.
9. If all has worked, your cassette has been properly checked and is ready go to work.

CARE OF TAPES

Be careful to rewind all tapes to the beginning after use as this protects the recording from abrasion and contamination. Do not store or place any tapes near strong magnetic fields such as may occur near loudspeakers, or large motors.

CASSETTE MAINTENANCE

The cassette uses magnetic heads to record and retrieve the information on the cassette tapes. These heads tend to accumulate residue and dirt from the tape as the tape moves across them. After a period of time the accumulation lifts the tape slightly away from the heads drastically degrading the signal from the head.

Therefore, the following procedure should be used after every 10 to 20 hours of tape playing time to ensure that your cassette continues to read and write reliably.

CLEANING AND DEMAGNETIZING YOUR CASSETTE HEADS

You'll need the following tools and materials:

Tape head cleaner. Alcohol may be used in emergency, but is not recommended for long term use.

NOTE: Do not use trichloroethane or any other plastic or rubber solvent.

Cotton swabs.

Tape head demagnetizer. Unit must have protective plastic or rubber covering on the piece that comes into contact with the tape heads so as not to scratch delicate head gap.

FOLLOW THIS PROCEDURE

1. Turn the computer off.
2. Press EJECT to open cover, then press PLAY to expose heads.
3. Put tape head cleaner on one side of a cotton swab. Gently wipe the surfaces of RECORD/PLAY and erase head (see Fig. 1).
Scrub gently. (If there is any build-up of tape oxide particles on or around the head gap of the RECORD/PLAY head, it is sufficient reason for unreliable performance.)
Also clean pinch roller and other tape bearing surfaces if tape head cleaner is suitable for this purpose (check label).
4. Plug in demagnetizer, and activate it while it is at least one foot away from cassette heads.
5. Slowly move demagnetizer up to RECORD/PLAY head and around on head surface. Rate of motion should be approximately one inch per second during this time.
6. Slowly move demagnetizer to erase head and then to all other ferrous metal surfaces which come into proximity with the tape.
7. Now slowly move demagnetizer away from heads. Do not deactivate field until demagnetizer is at least two feet away from heads.

The tape head cleaning and demagnetizing procedure is now complete. Inspect RECORD/PLAY, surface for wear. If the tape has worn a groove on head surface

more than a couple of tape thicknesses deep, program reading performance may be poor. If so, then replacement of tape head is indicated. (Normally few thousand hours of tape running time have been completed before replacement is required.)

CASSETTE DECK PROBLEMS

If you are experiencing problems with your cassette deck either mechanically or electronically, return it to the dealer from whom it was purchased.

SPECIFICATION

- * Power Source: AC~240V 50Hz
- * Input Impedance: 10K OHM
- * Output Impedance: 10K OHM
- * Output Voltage: 2.5V Input Voltage: 20mV~2.5V (P-P)
- * Tape Speed: +3% ~ -2.5%
- * Wow and Flutter: Wrms 0.35%

Because we continually strive to improve our products, we may change specifications without prior notice.